

FIG. 1

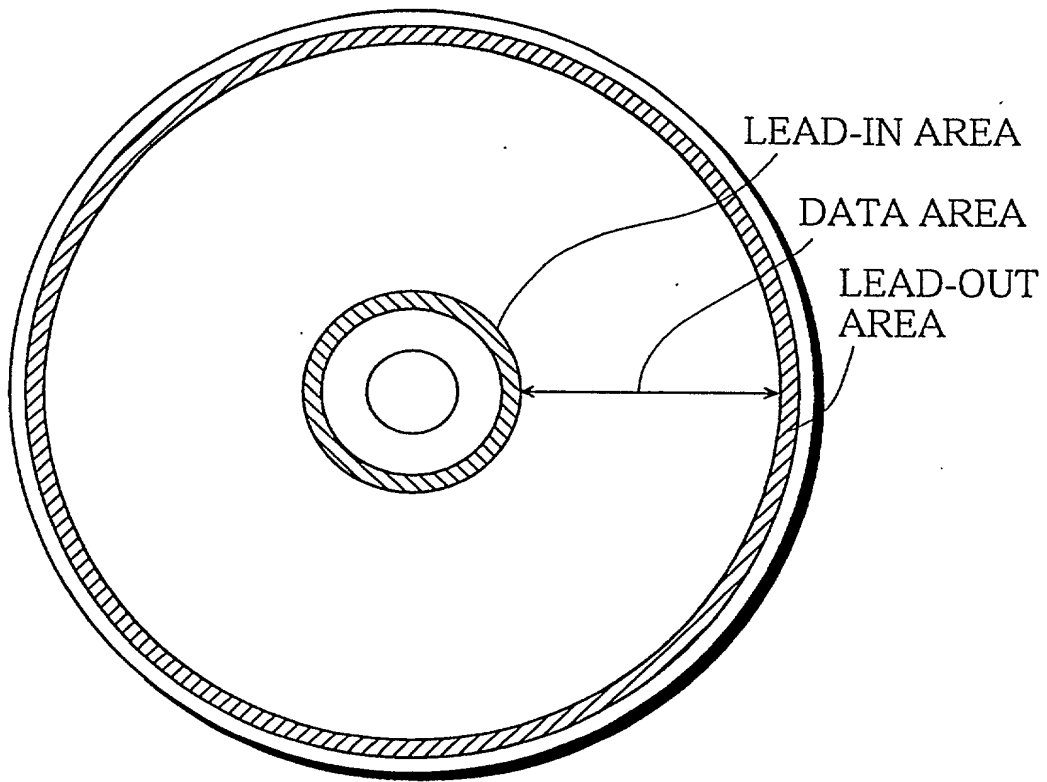


FIG. 2

FIG. 2

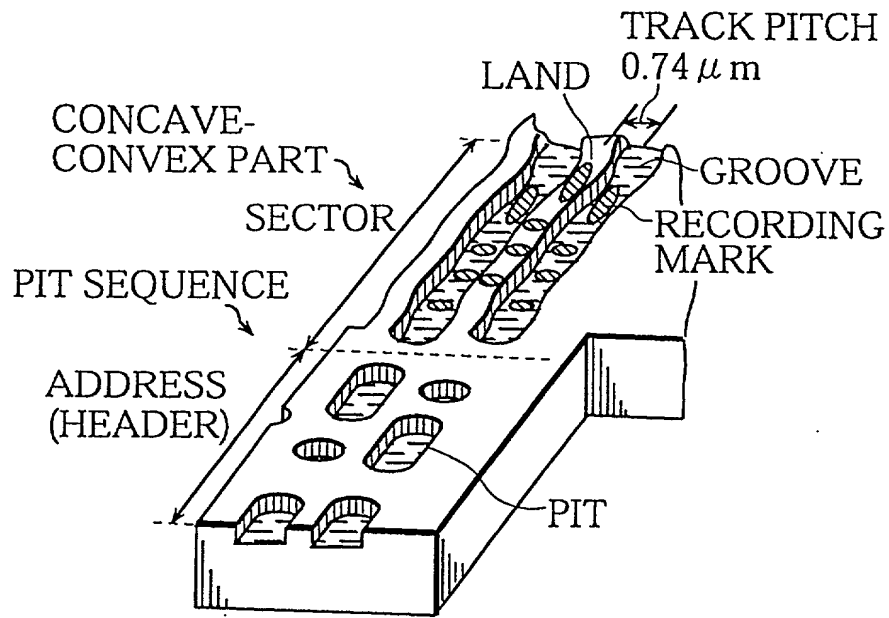


FIG. 3A

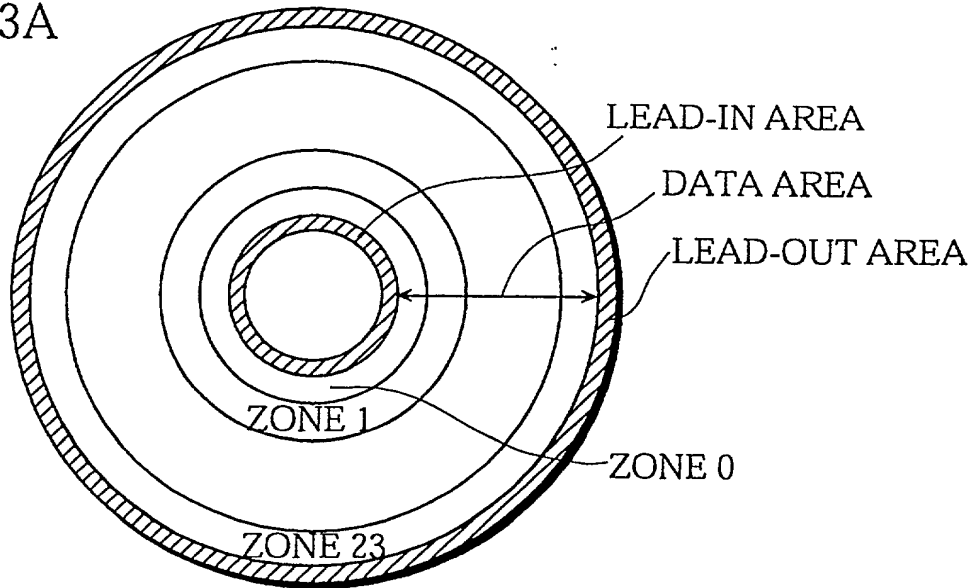


FIG. 3B

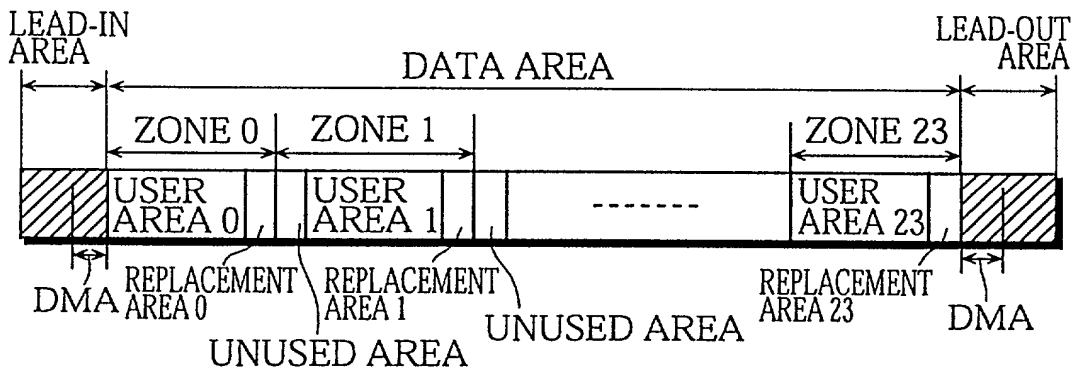


FIG. 3C

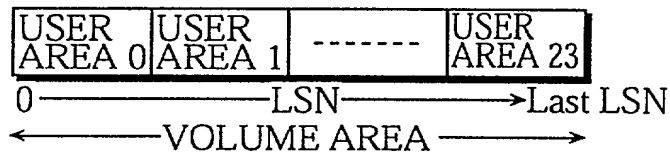


FIG. 3D

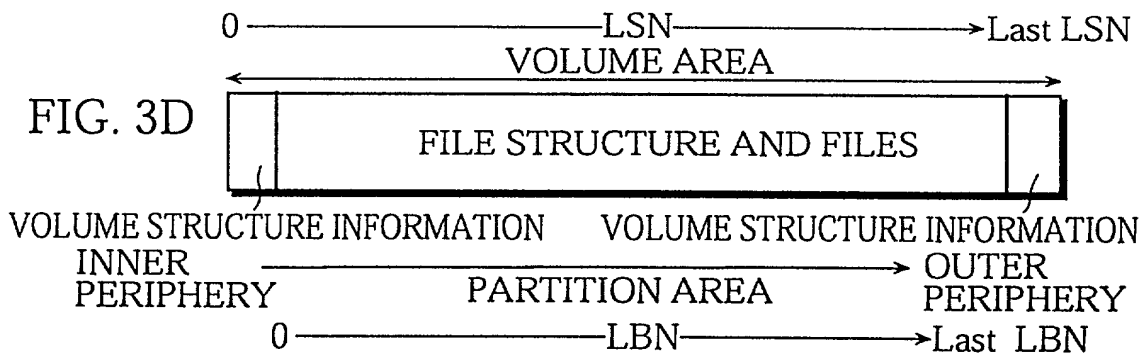


FIG. 4

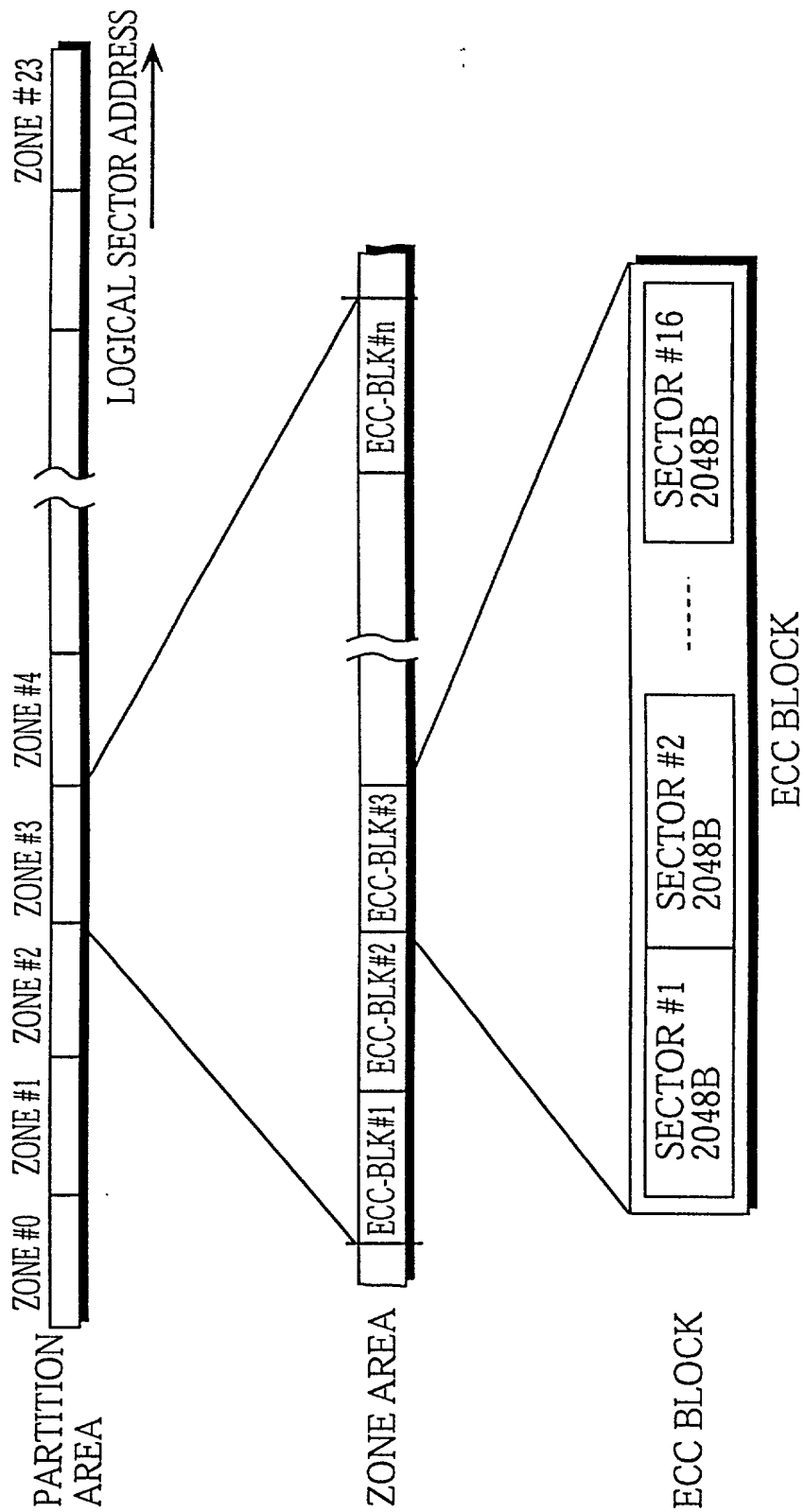


FIG. 5

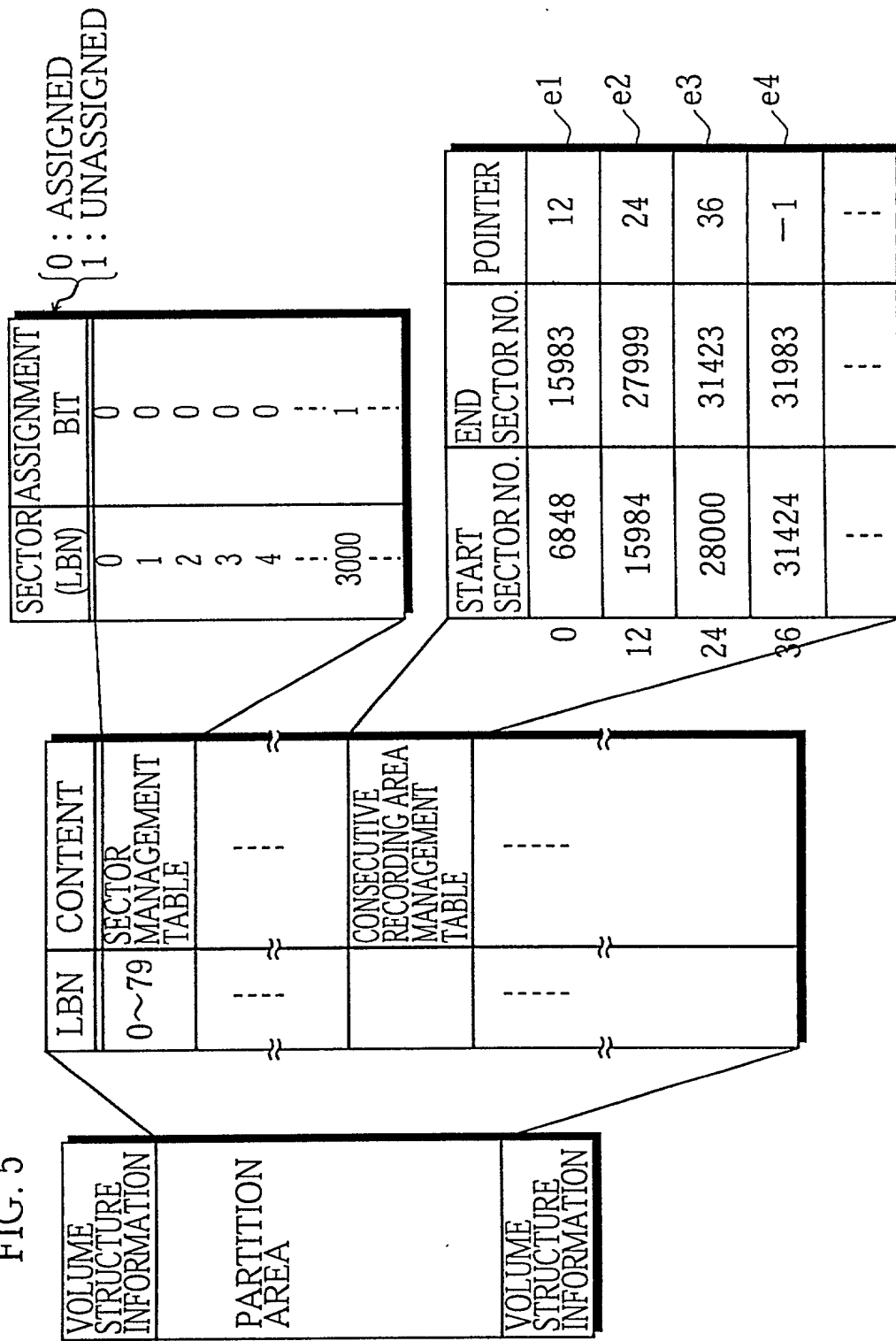
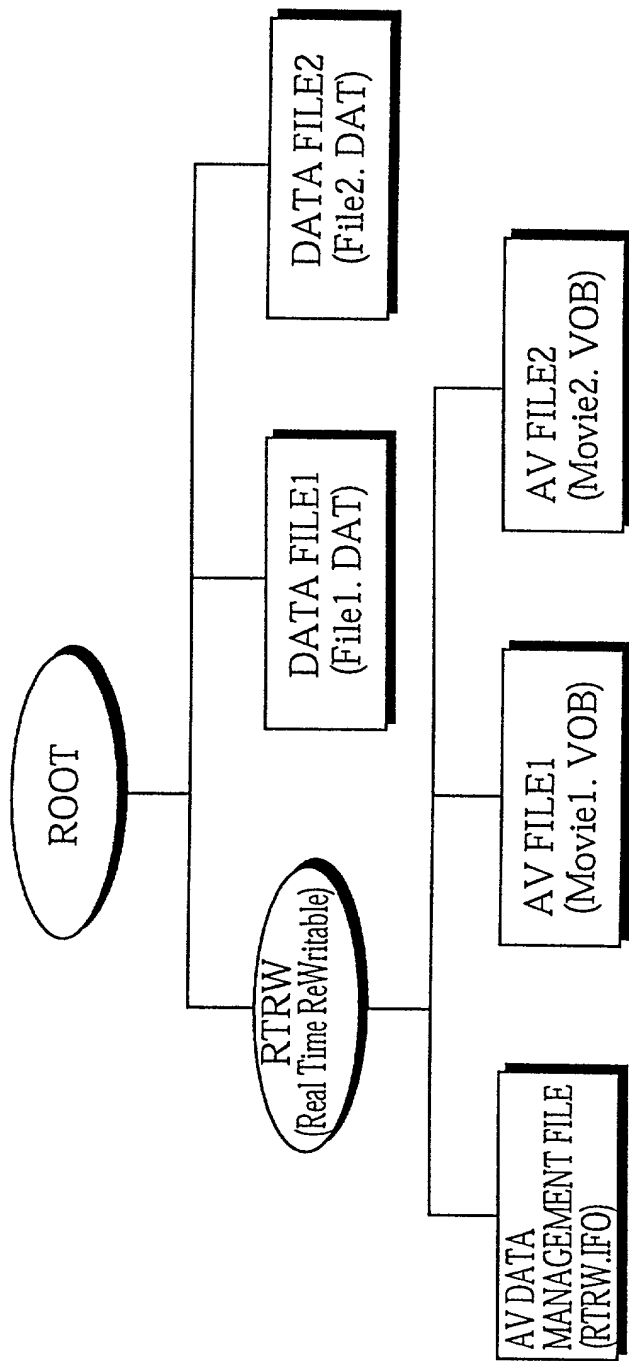


FIG. 6



201220150507550

FIG. 7

AV FILES

VOB #1	(Movie1.VOB)
VOB #2	(Movie2.VOB)
⋮	
VOB #N	

FIG. 8

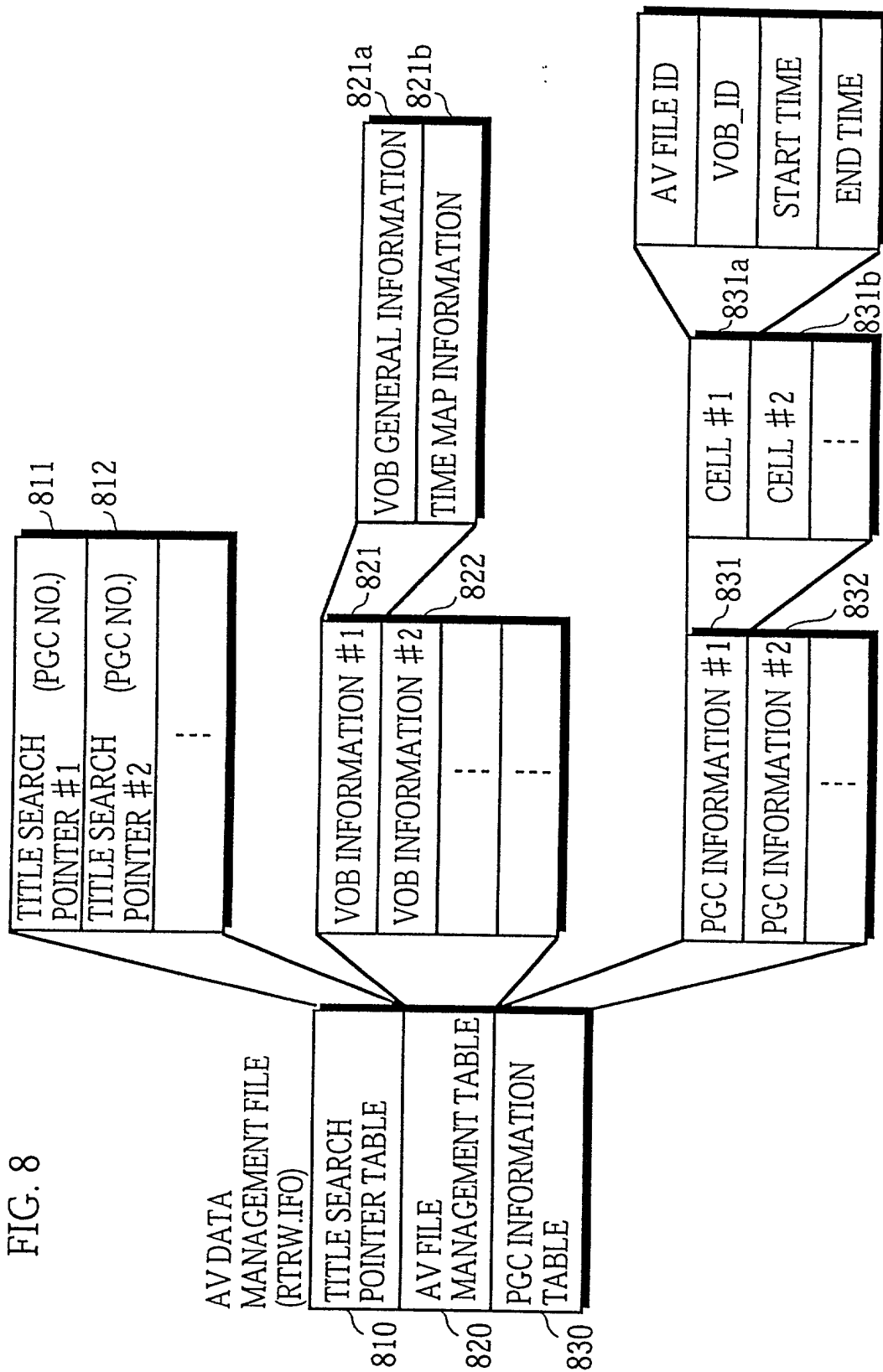
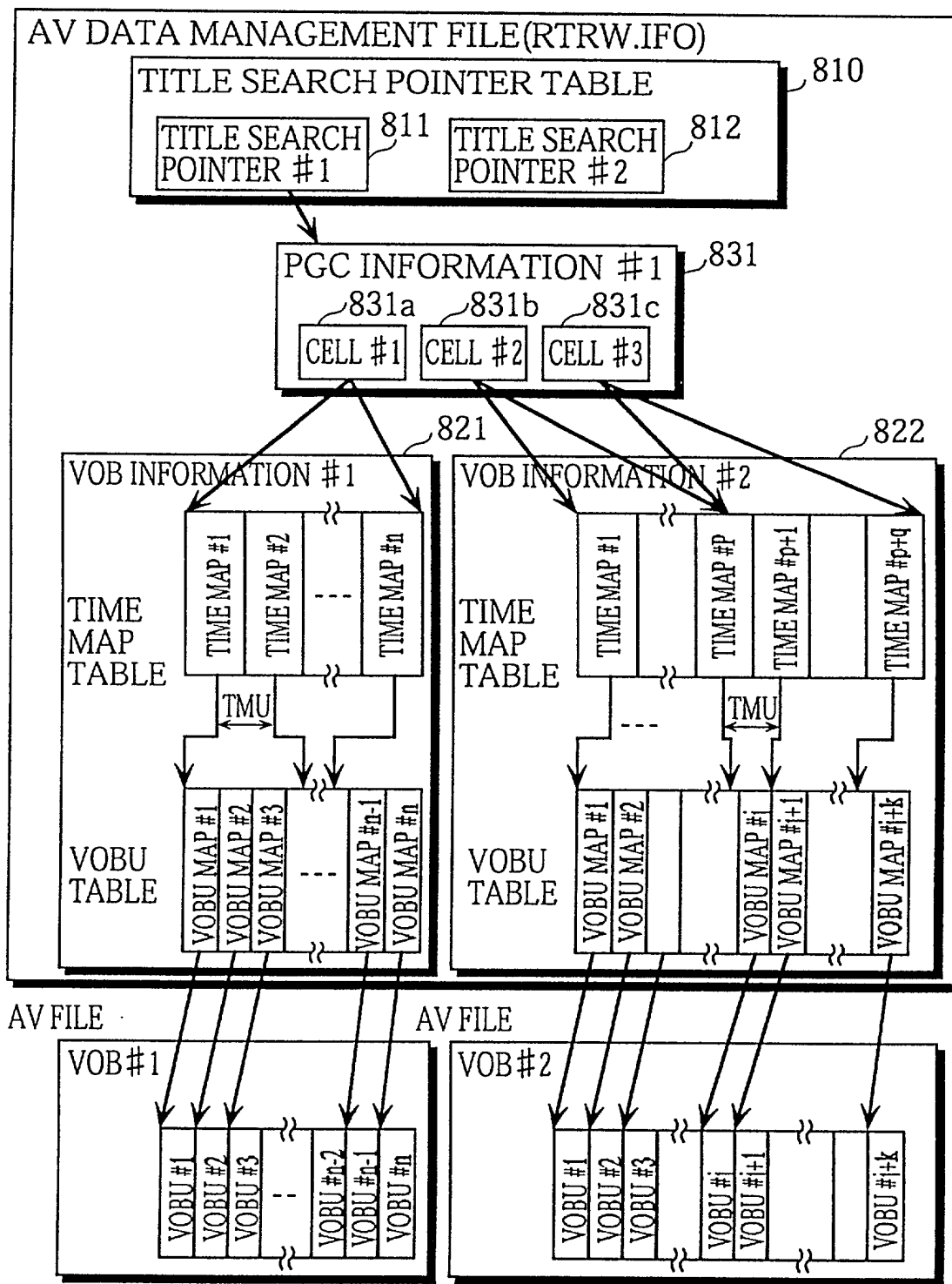
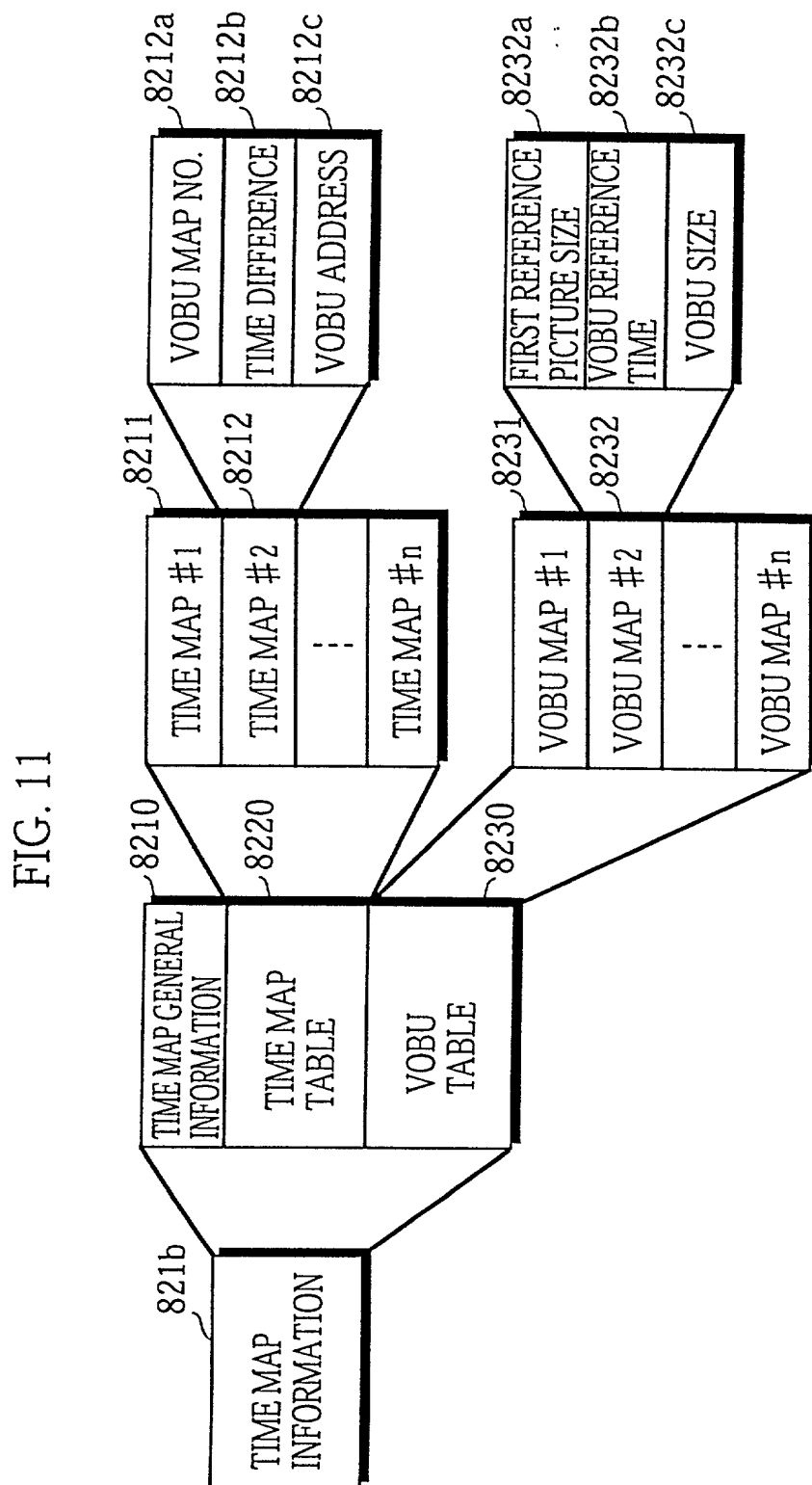


FIG. 9





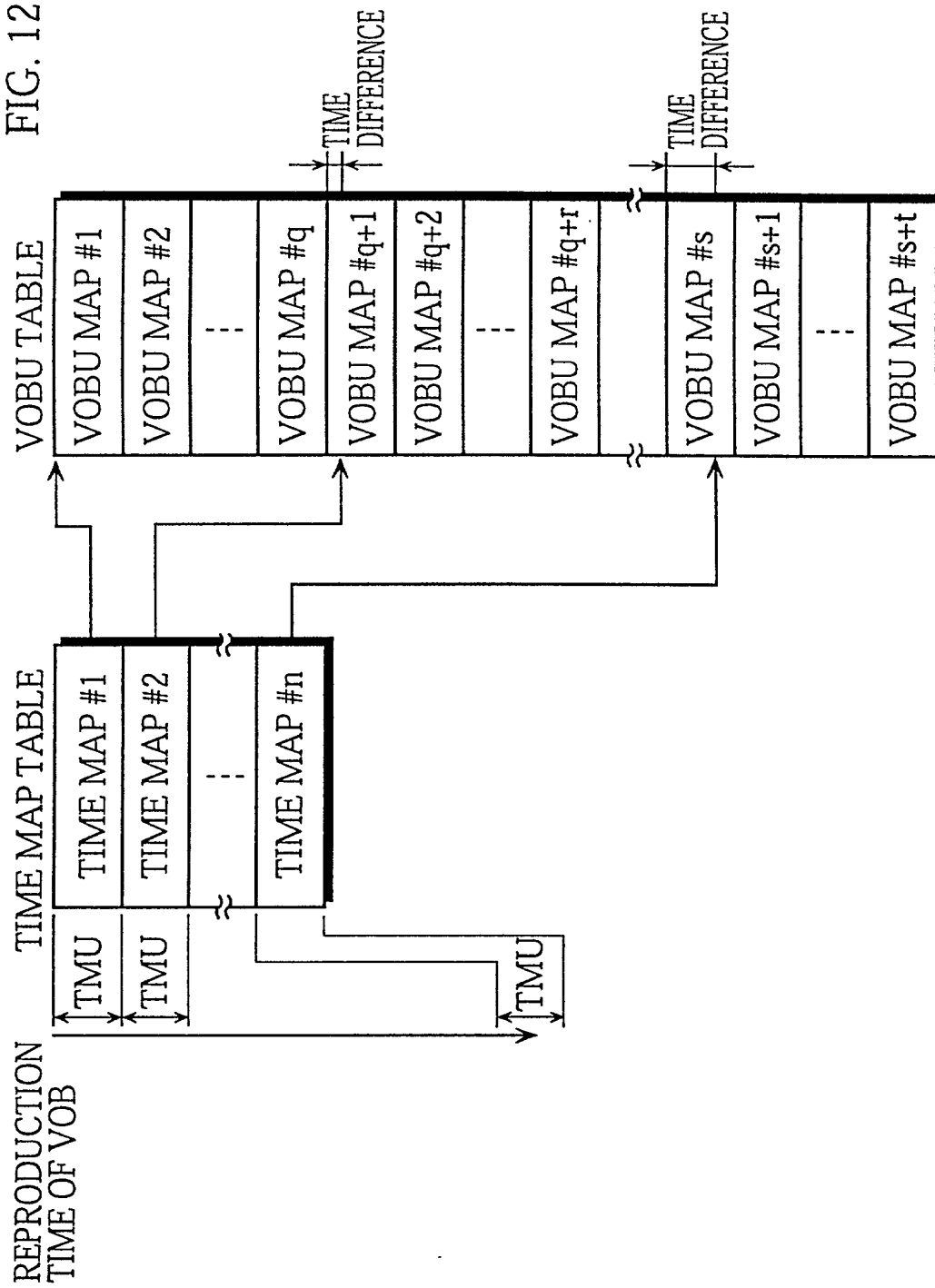
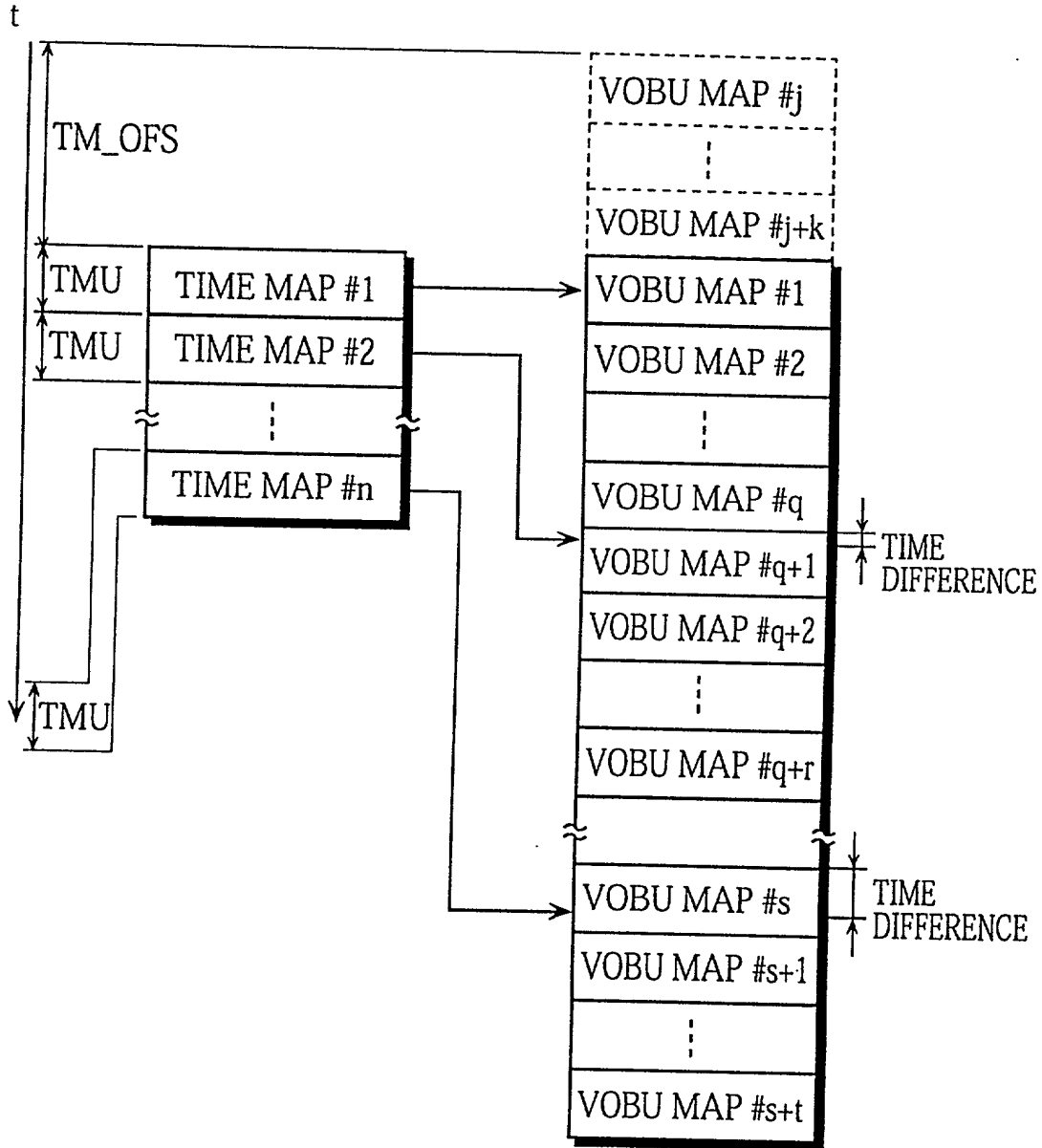
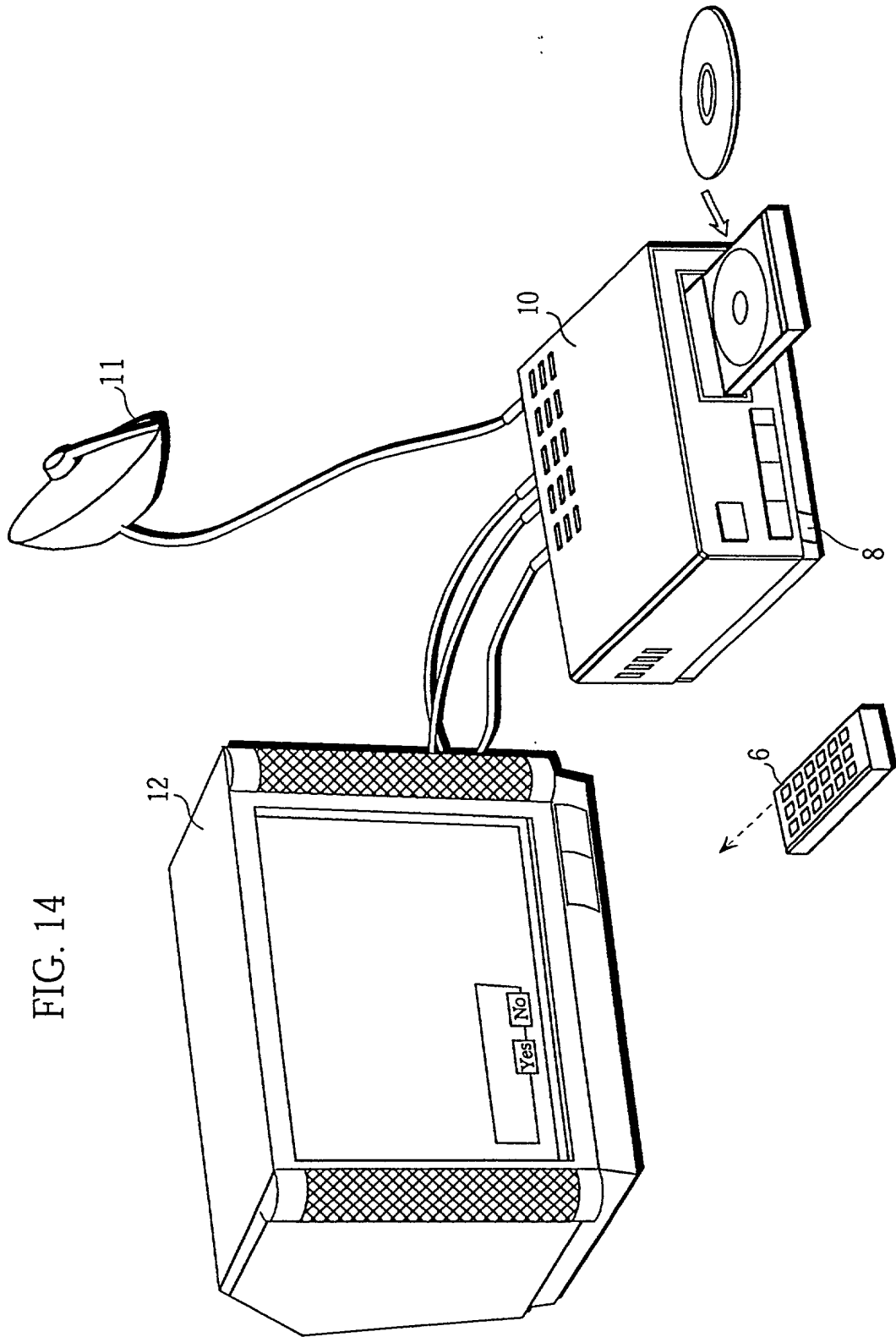


FIG. 13

REPRODUCTION
TIME OF VOB





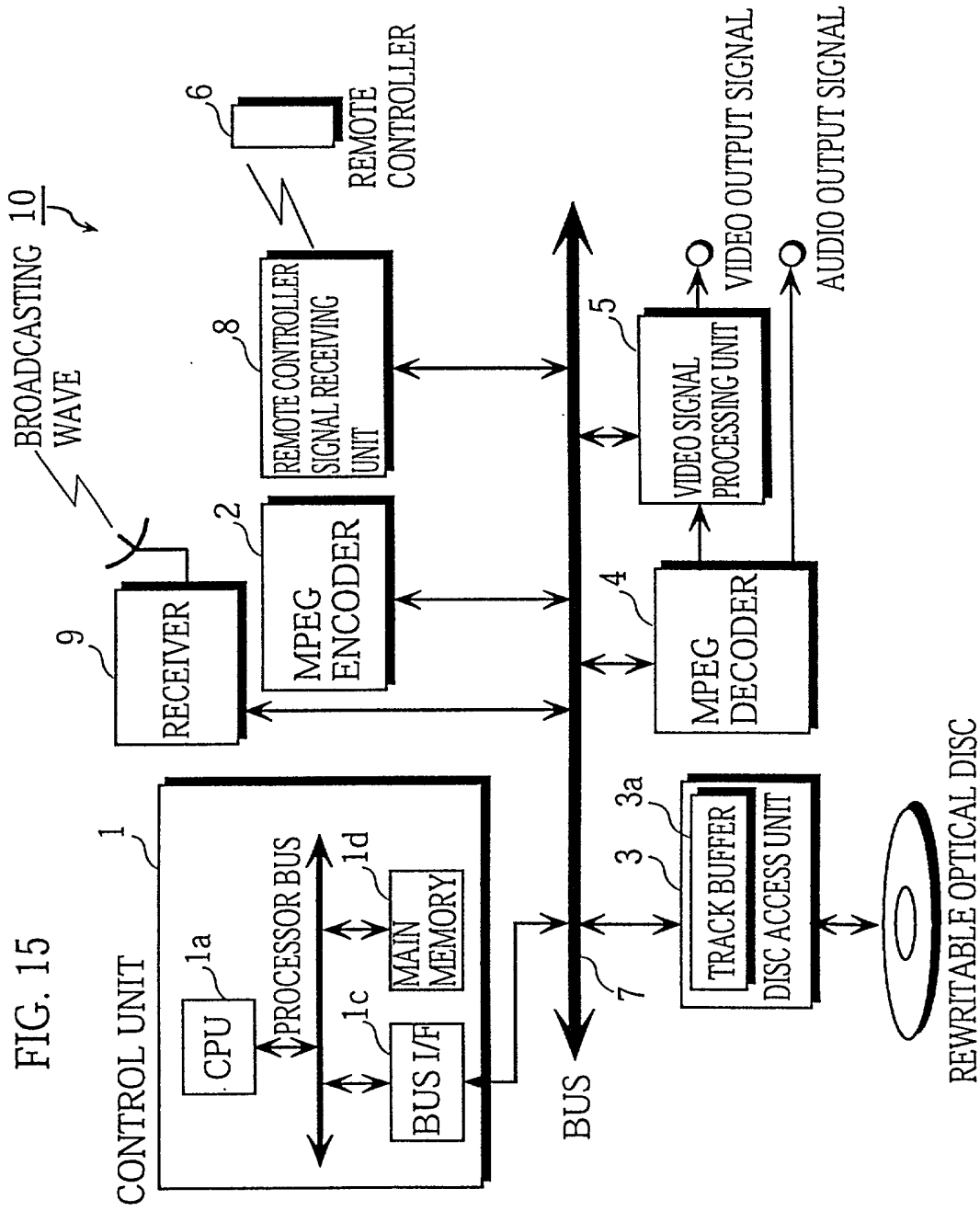
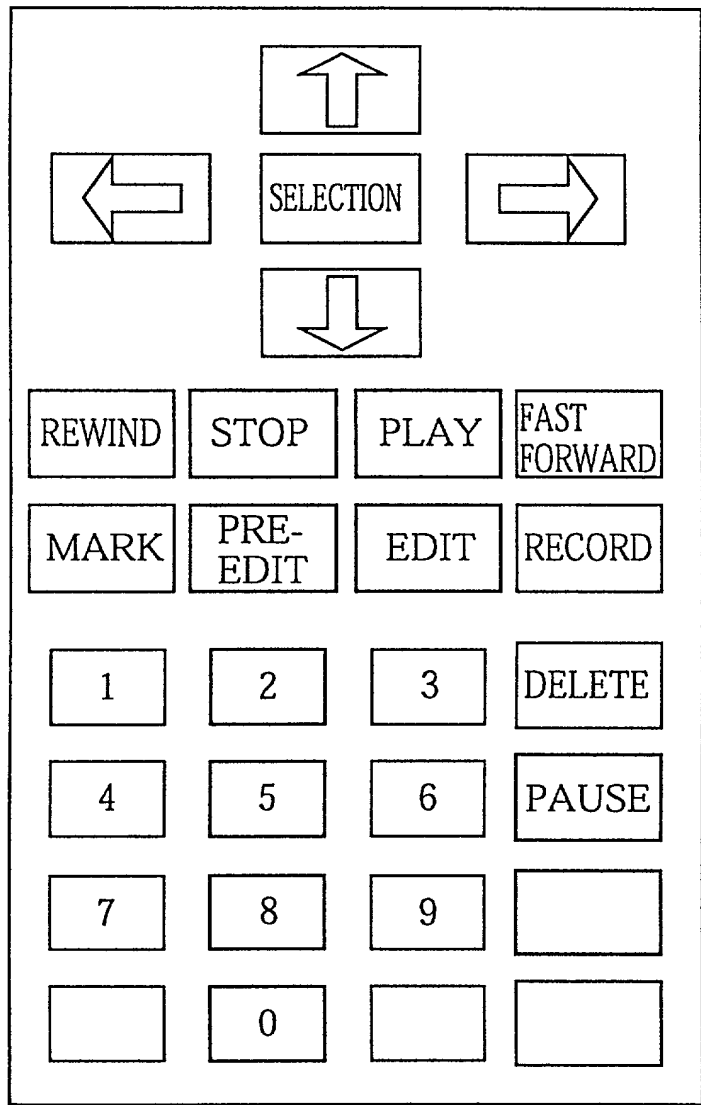
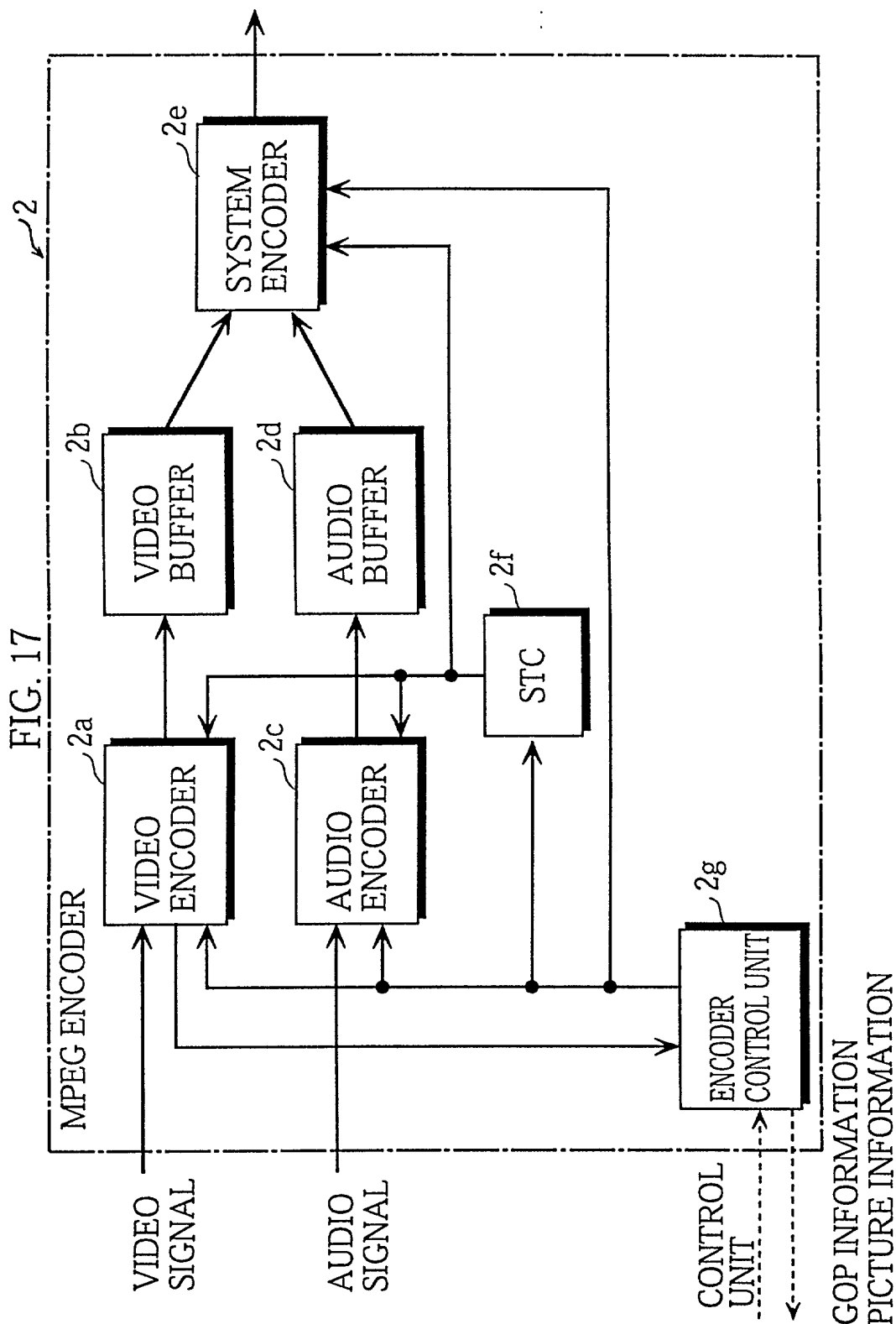
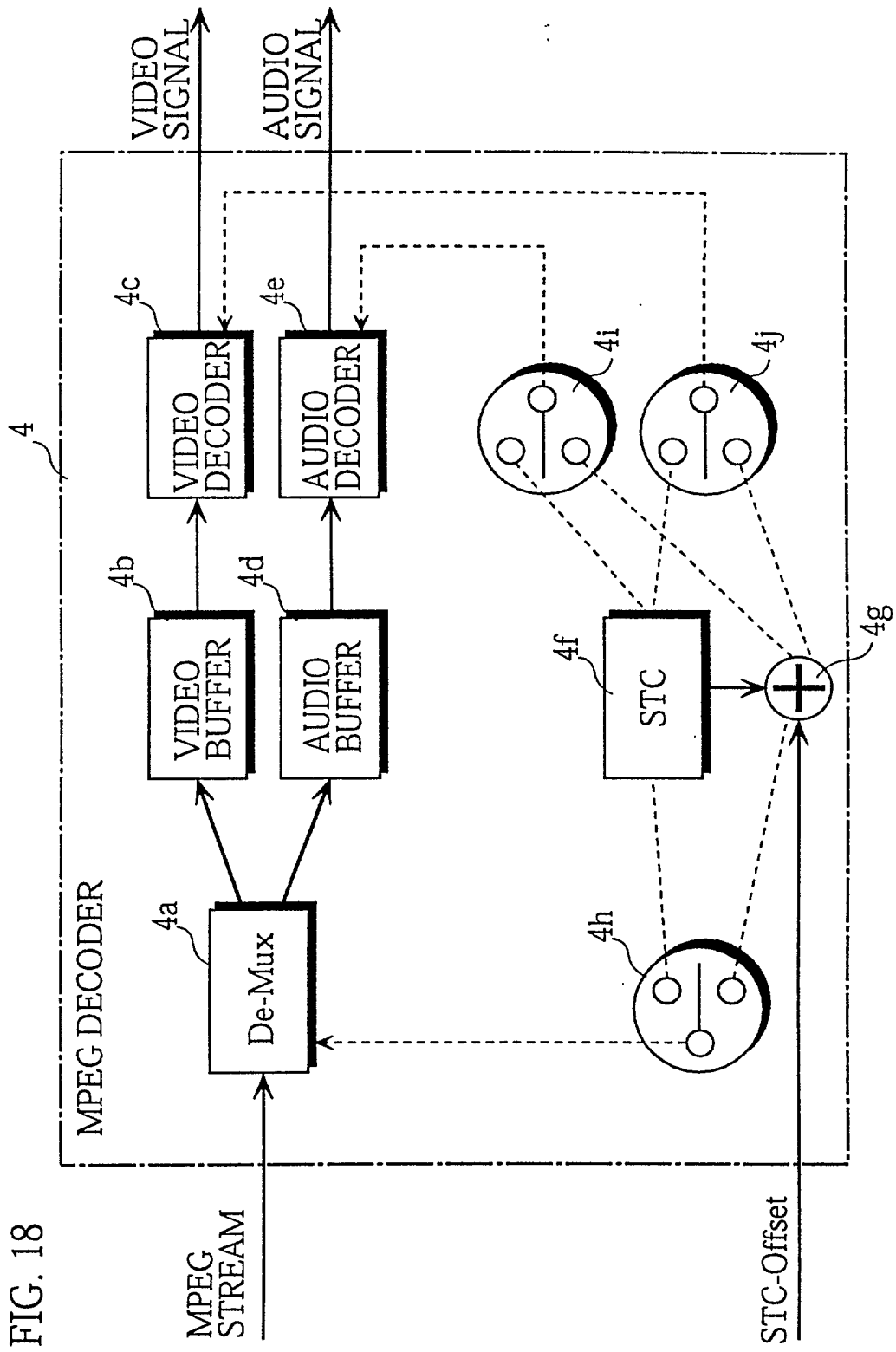


FIG. 16







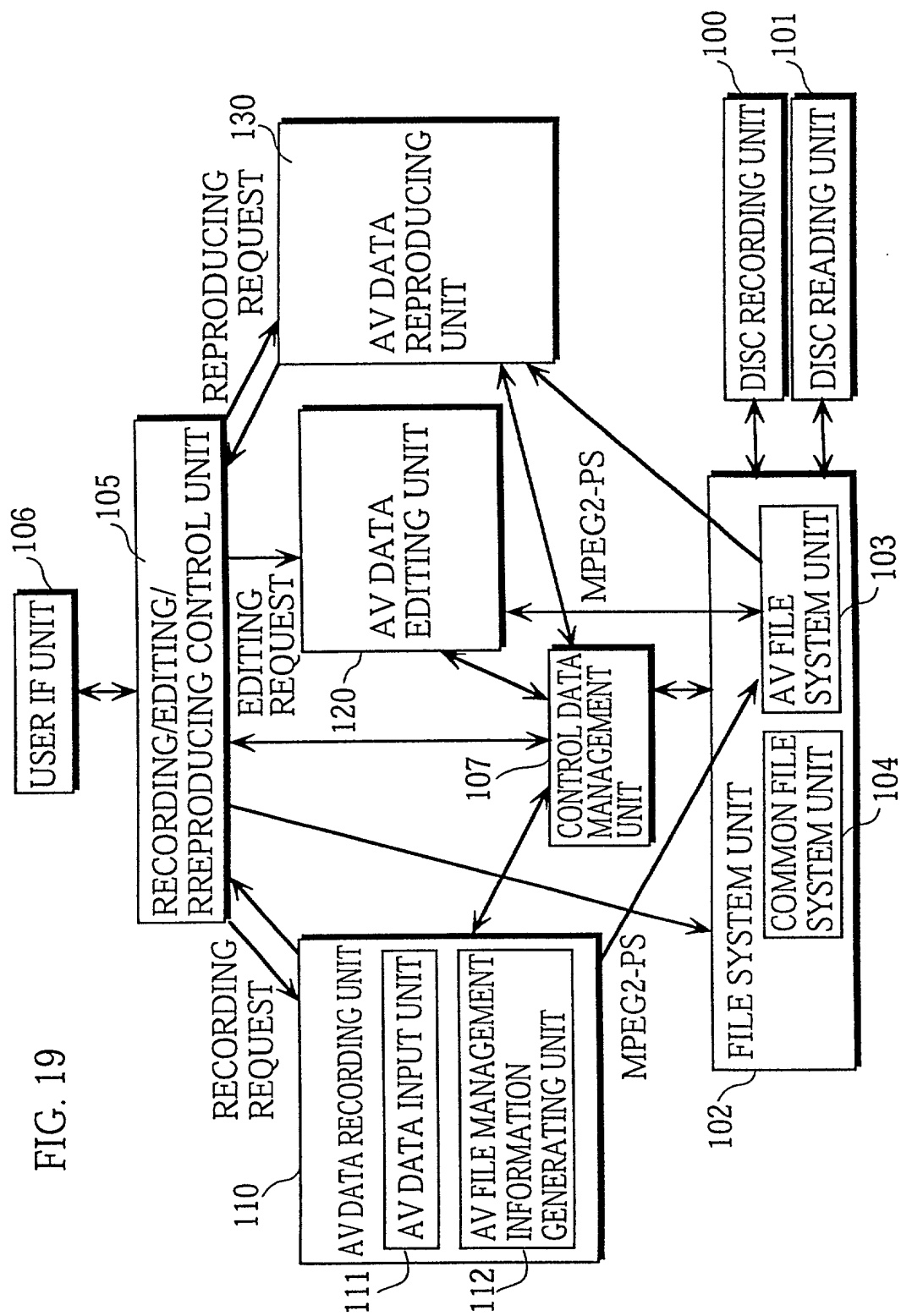


FIG. 20

COMMON FILE SYSTEM UNIT 104	
CREATE	GENERATE A FILE
DELTE	DELETE A FILE
OPEN	OPEN A FILE
CLOSE	CLOSE A FILE
WRITE	WRITE A NON-AV FILE
READ	READ A FILE(COMMON TO AV AND NON-AV)
SEEK	MOVE INSIDE A DATA STREAM
RENAME	CHANGE A FILE NAME
MKDIR	GENERATE A DIRECTORY
RMDIR	REMOVE A DIRECTORY
STATFS	OBTAIN A FILE SYSTEM STATE
GET-ATTR	OBTAIN A FILE ATTRIBUTE
SET-ATTR	SET A FILE ATTRIBUTE
SEARCH_DISCON	DETECT WHETHER A SPECIFIED SECTION INCLUDES A DISCONTINUOUS BOUNDARY(ZONE BOUNDARY)
AV FILE SYSTEM UNIT 103	
MERGE	MERGE OF AVFILE1+BUFFER+AV FILE2
SPLIT	SPLIT AN AV FILE
SHORTEN	DELETE AN EDGE OF AV FILE
REPLACE	REPLACE A PART OF AV FILE

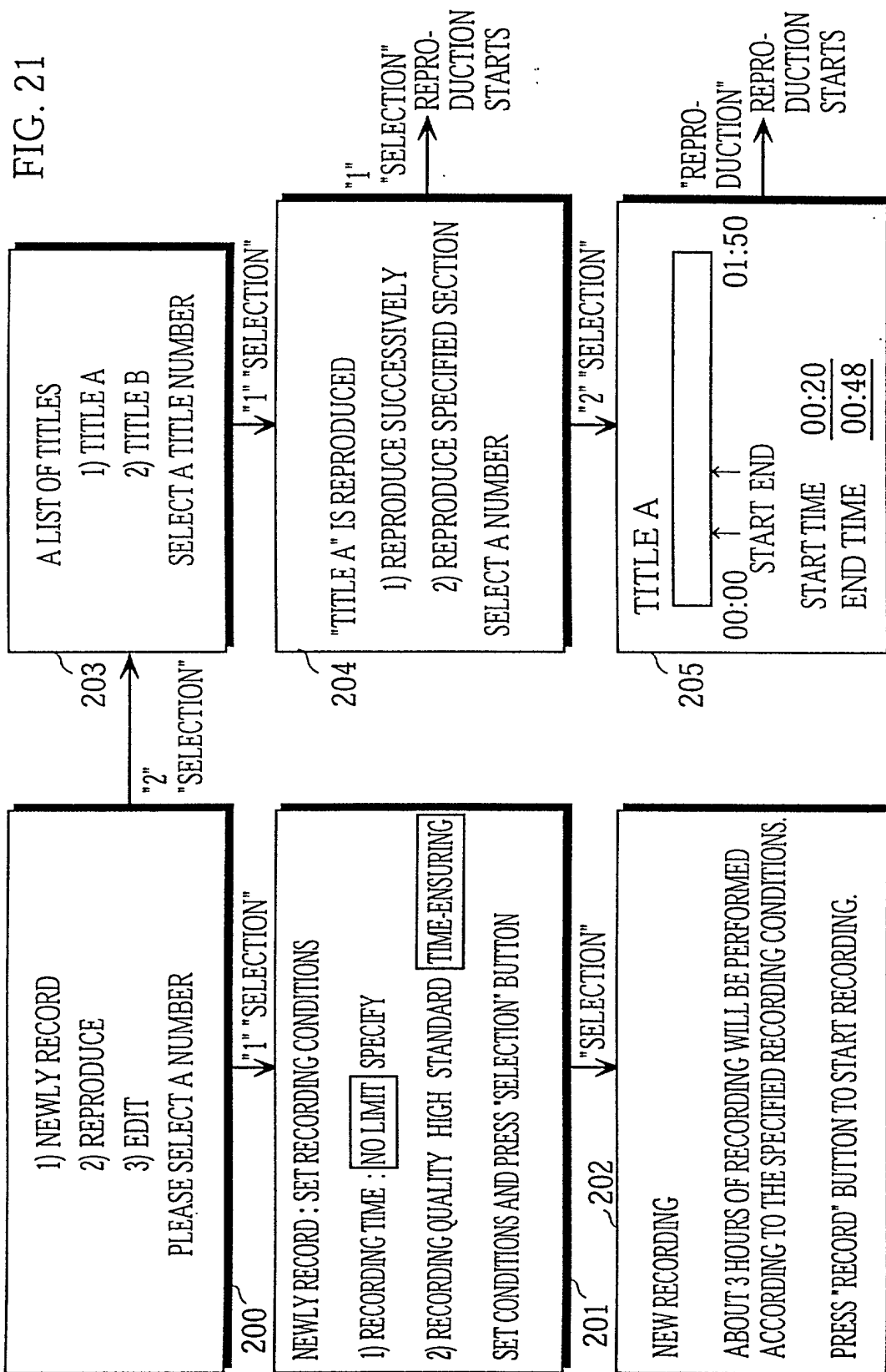


FIG. 22

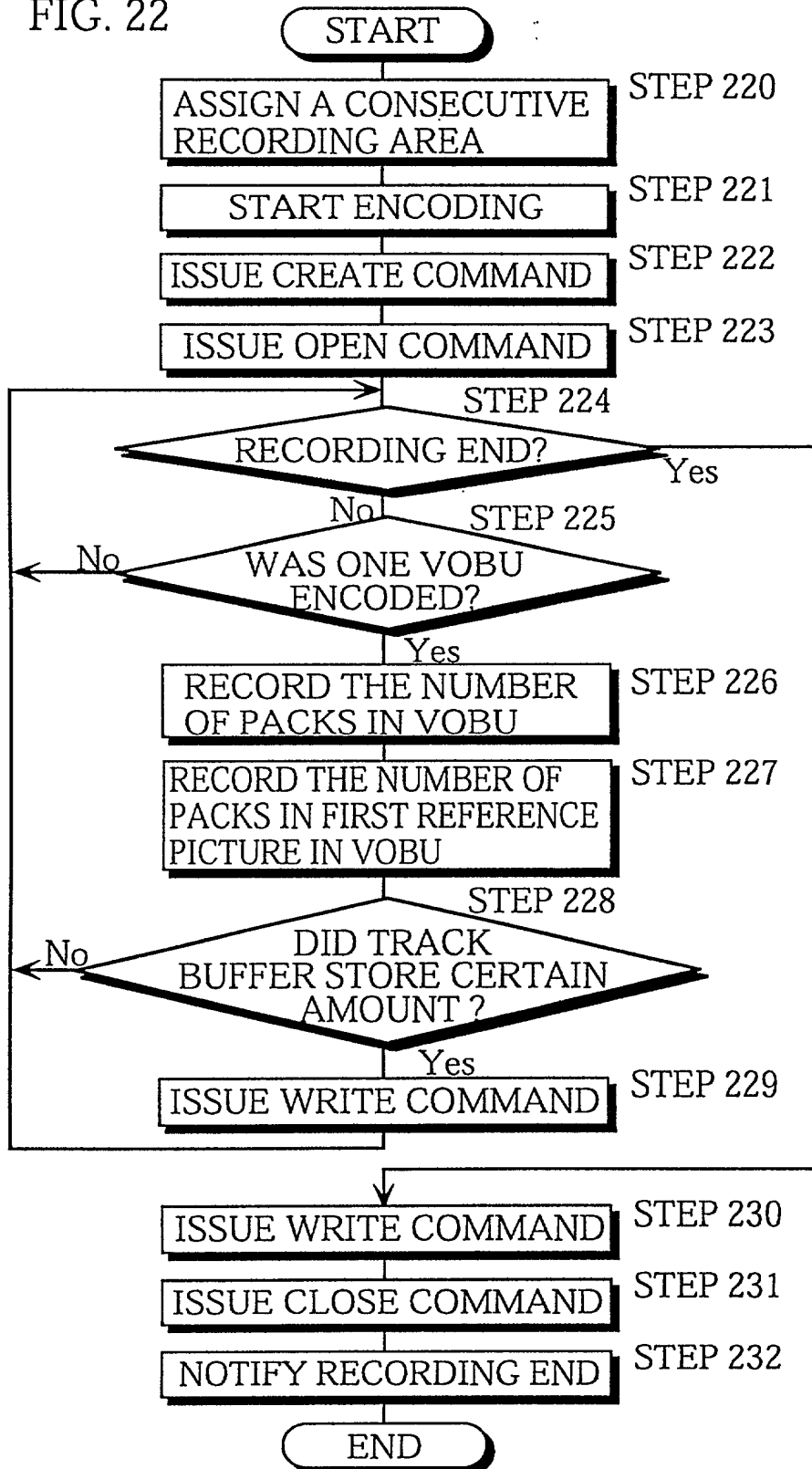


FIG. 23

VOBU NO.	NUMBER OF PACKS IN FIRST REFERENCE PICTURE IN VOB	NUMBER OF PACKS IN VOB
#1	14	46
#2	15	51
#3	13	49
#4	14	47
#5	14	46
#6	15	51
#7	13	49
#8	14	47
#9	14	46
#10	15	51
#11	13	49
#12	14	47
⋮	⋮	⋮
#21	15	51
#22	13	49
⋮	⋮	⋮

FIG. 24

PROCESS BY THE AV FILE MANAGEMENT
INFORMATION GENERATING UNIT 112

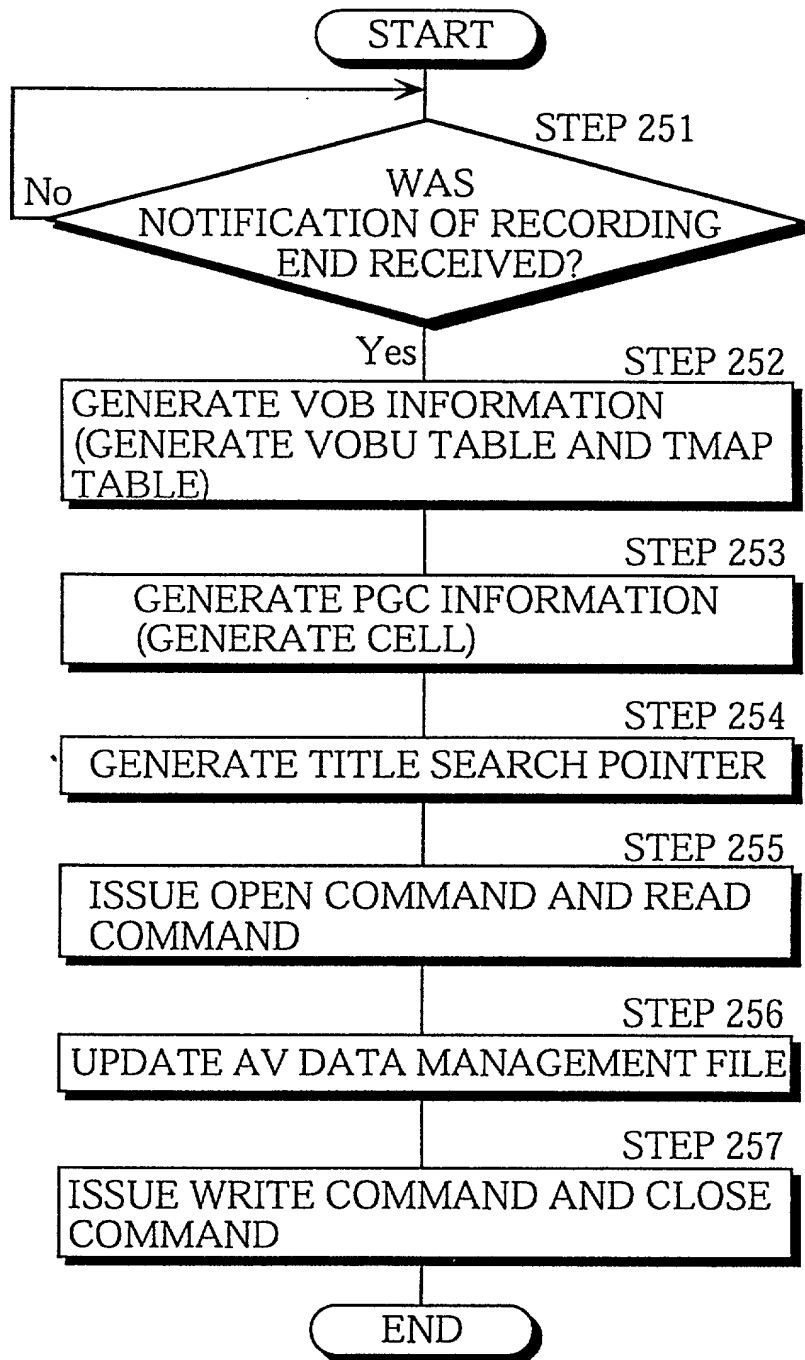
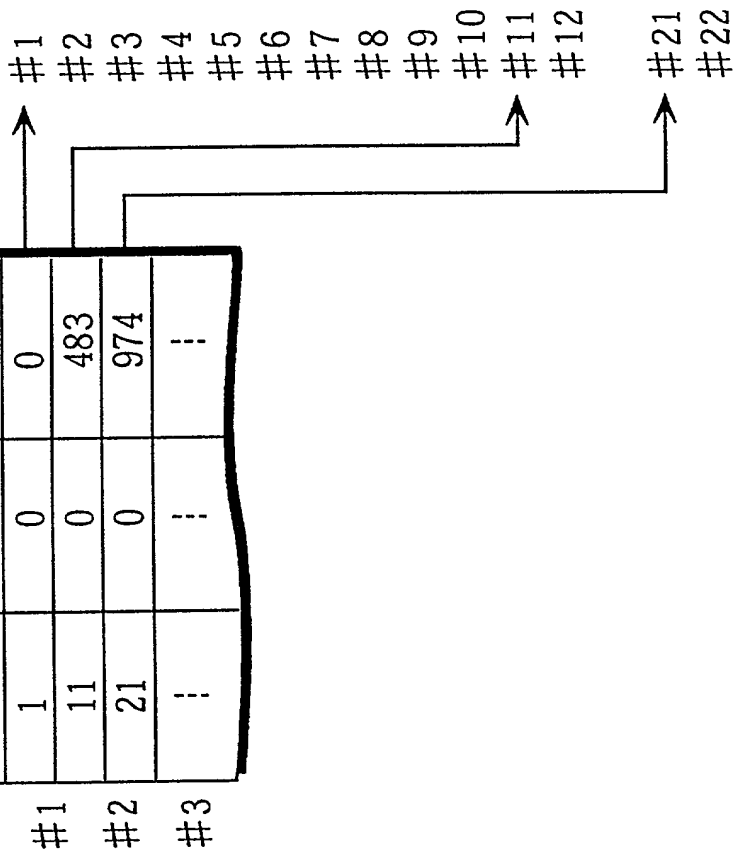


FIG. 25

TIME MAP TABLE

VOBU MAP NO.	TIME DIFFERENCE	VOBU ADDRESS
1	0	0
11	0	483
21	0	974
⋮	⋮	⋮



VOBU TABLE

NUMBER OF PACKS IN REFERENCE PICTURE	REPRO- DUCTION TIME	NUMBER OF VOB PACKS
14	30	46
15	30	51
13	30	49
14	30	47
14	30	46
15	30	51
13	30	49
14	30	47
14	30	46
15	30	51
13	30	49
14	30	47
⋮	⋮	⋮
15	30	51
13	30	49
⋮	⋮	⋮

FIG. 26

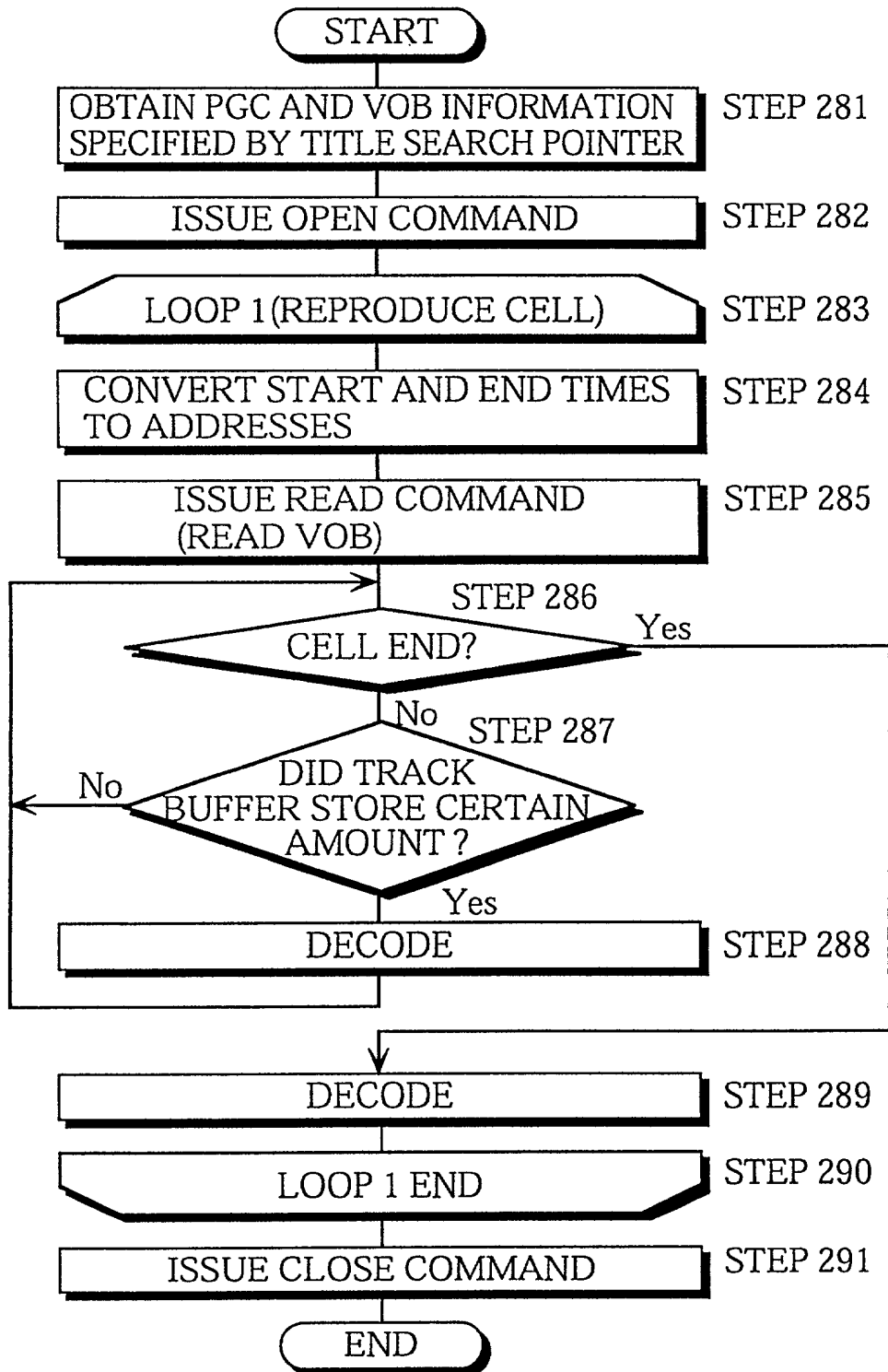


FIG. 27

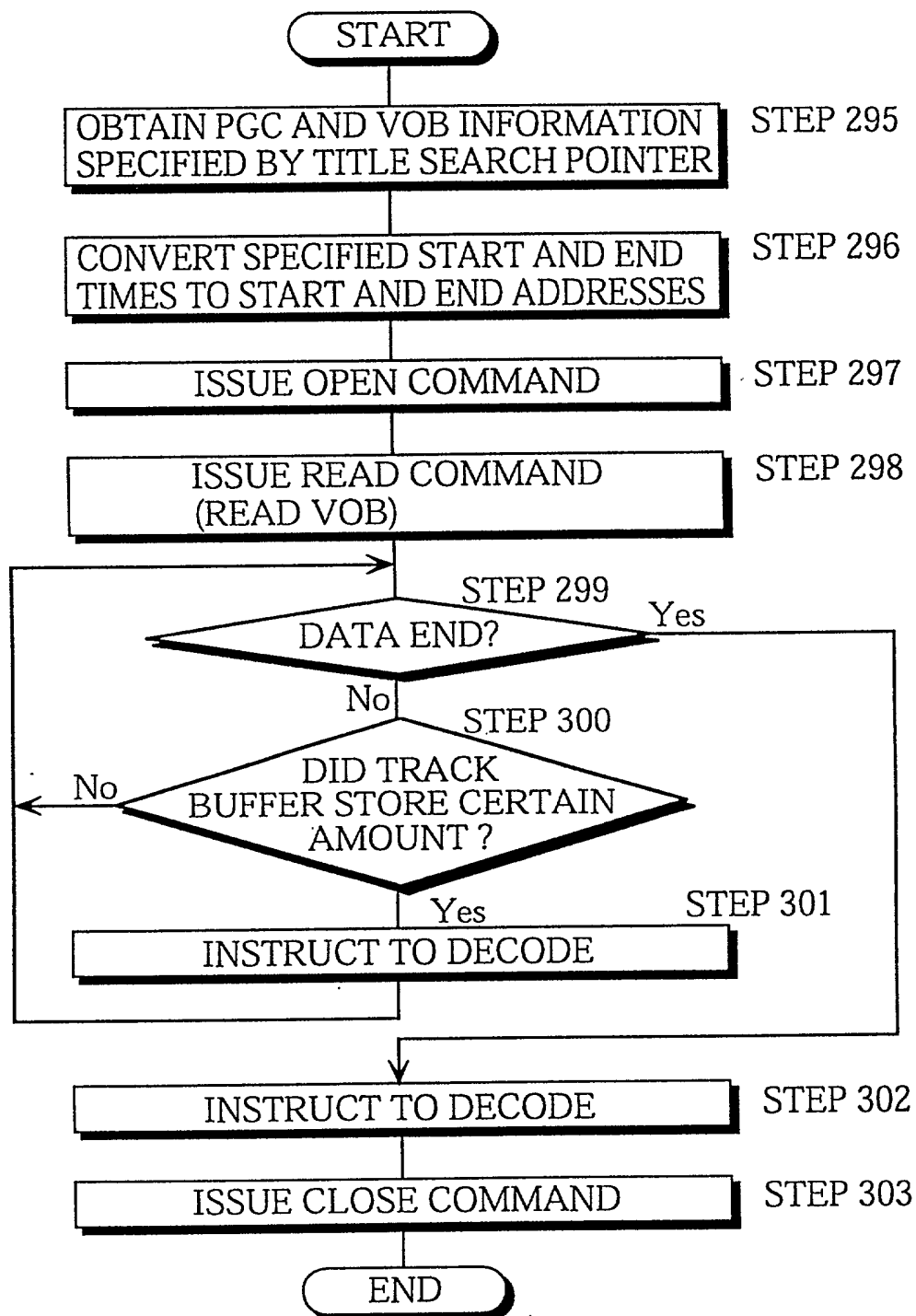


FIG. 28

